

Data Science, Machine Learning, Artificial Intelligence Project Guidelines and SYLLABUS

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CONTENT

- AI RESEARCH MILESTONE
- STEP BY STEP BREAK-DOWN
- TECH PLATFORM AND DATABASE MANAGEMENT



AI RESEARCH MILESTONE



TOPIC SELECTION

ASK AN INTERESTING
RESEARCH QUESTION

ELEMENT I

YOUR RESEARCH
TOPIC HELPS THE
WORLD AND IT
ANSWERS
QUESTIONS THAT
CONTRIBUTE TO
THE SOCIETY.

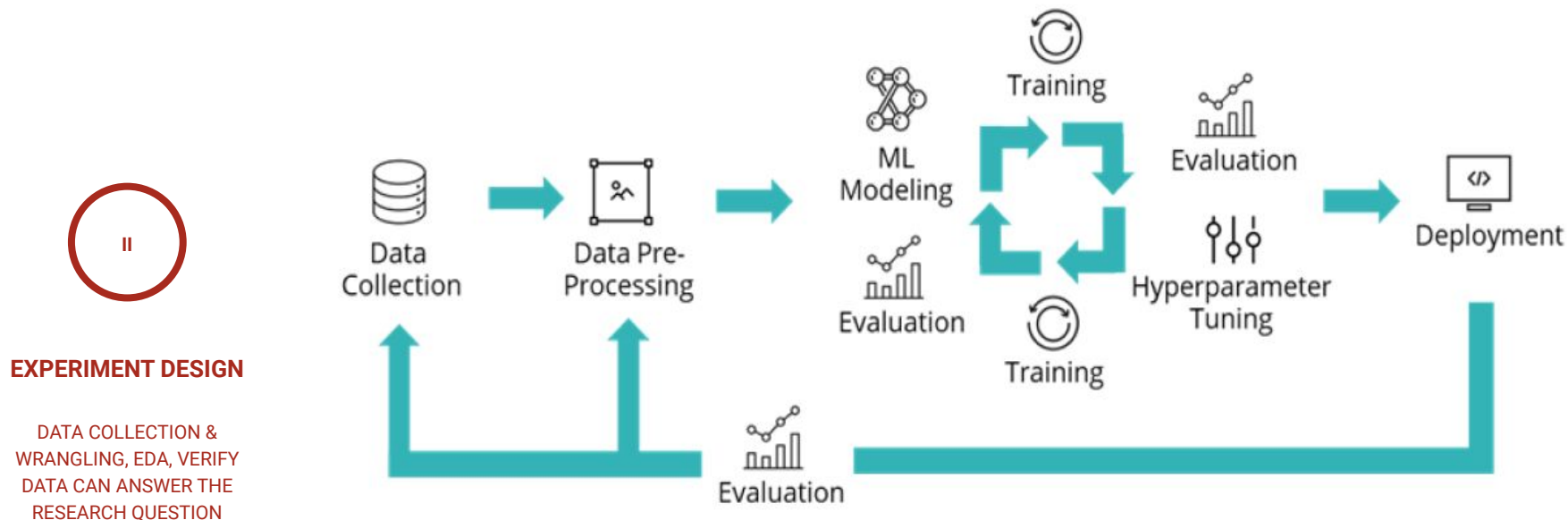
ELEMENT II

YOUR RESEARCH
TOPIC REQUIRES
CERTAIN SKILLS
AND TECHNIQUES
THAT CAN
ADVANCE YOUR
CAREER.

ELEMENT III

YOUR RESEARCH
IS EASY TO BE
ACHIEVED. EX:
YOUR RESEARCH
TOPIC CAN BE
DONE WITHIN 10
WEEKS.

TOPIC SELECTION



Source: [Data-Centric AI](#)

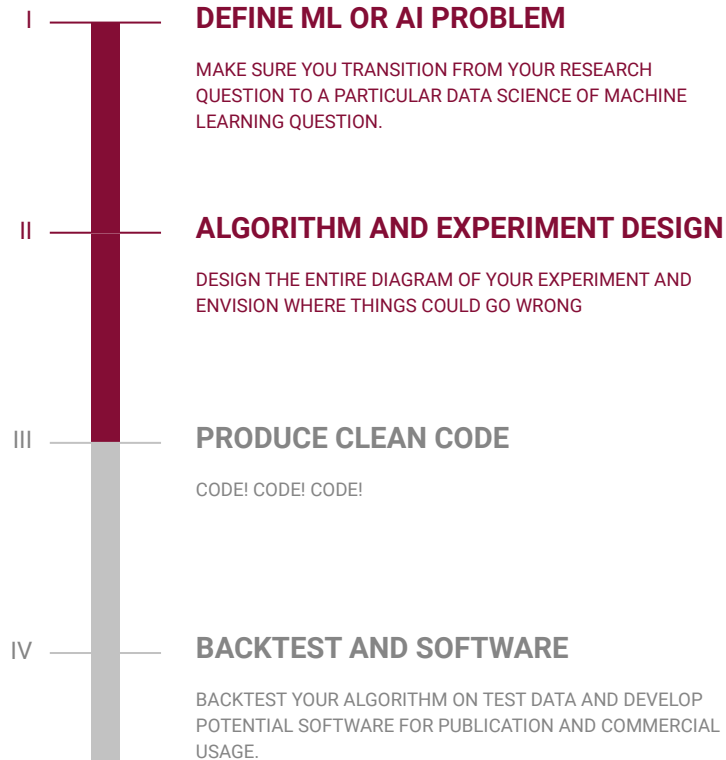
EXPERIMENT DESIGN

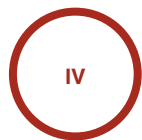


CONDUCT EXPERIMENT

WRITE THE PYTHON CODE
AND PRODUCT THE MACHINE
LEARNING PIPELINE

CONDUCT EXPERIMENT





PAPER

PRODUCE A PROFESSIONALLY
WRITTEN ACADEMIC PAPER

CENTRAL IDEA

THE CENTRAL IDEA
NEEDS TO BE A GOOD
SELL!

LOGICAL FRAMEWORK

THE PAPER HAS CLEAR
ILLUSTRATION OF THE
LOGICAL FRAMEWORK
OF YOUR EXPERIMENT.



RESULTS PRESENTATION

THE LAB AND
EXPERIMENT RESULTS
NEED TO BE CLEARLY
PRESENTED

FORMATTING

THE FORMATTING OF
THE PAPER SHOULD
FOLLOW JOURNAL
REQUIREMENTS.

ACADEMIC PAPER

A PROFESSIONAL ACADEMIC
PAPER NEEDS TO HAVE 4 PILLARS
FROM THE LEFT:

- 1) CENTRAL IDEA
- 2) LOGICAL FRAMEWORK
- 3) RESULTS PRESENTATION
- 4) FORMATTING

PAPER



PUBLICATION

JOURNAL SELECTION AND
SUBMISSION, AND GET READY
FOR REVIEWS AND
PRESENTATIONS

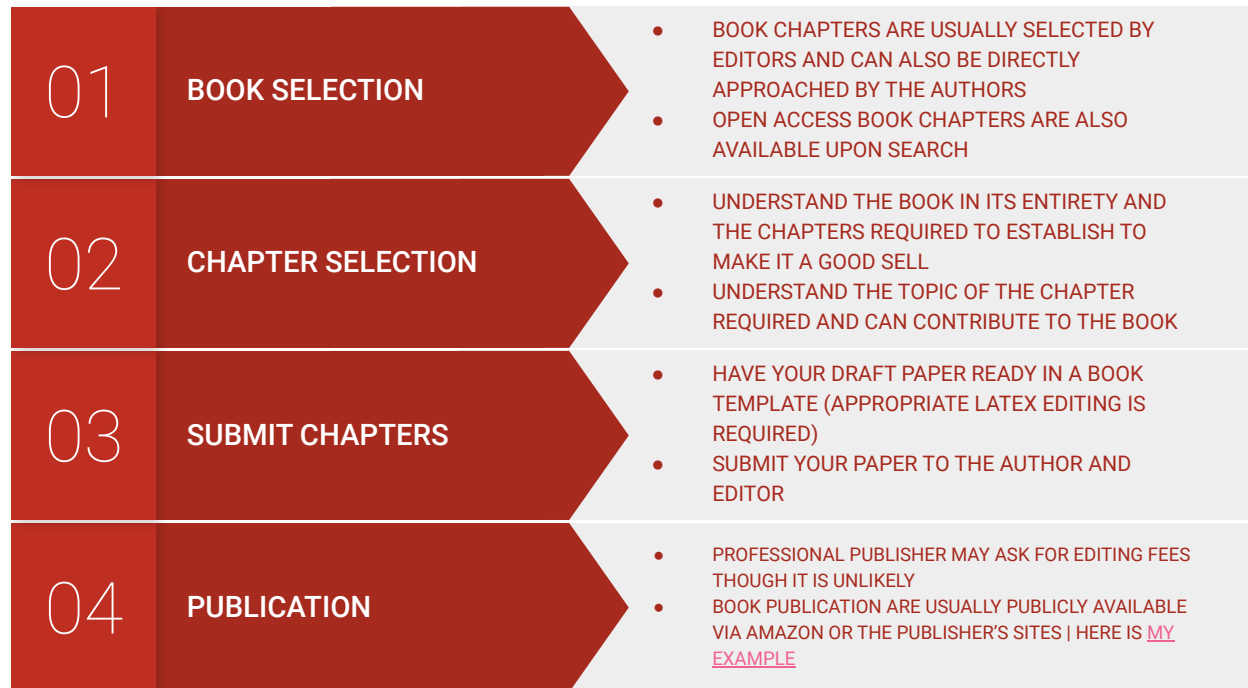
PUBLICATION



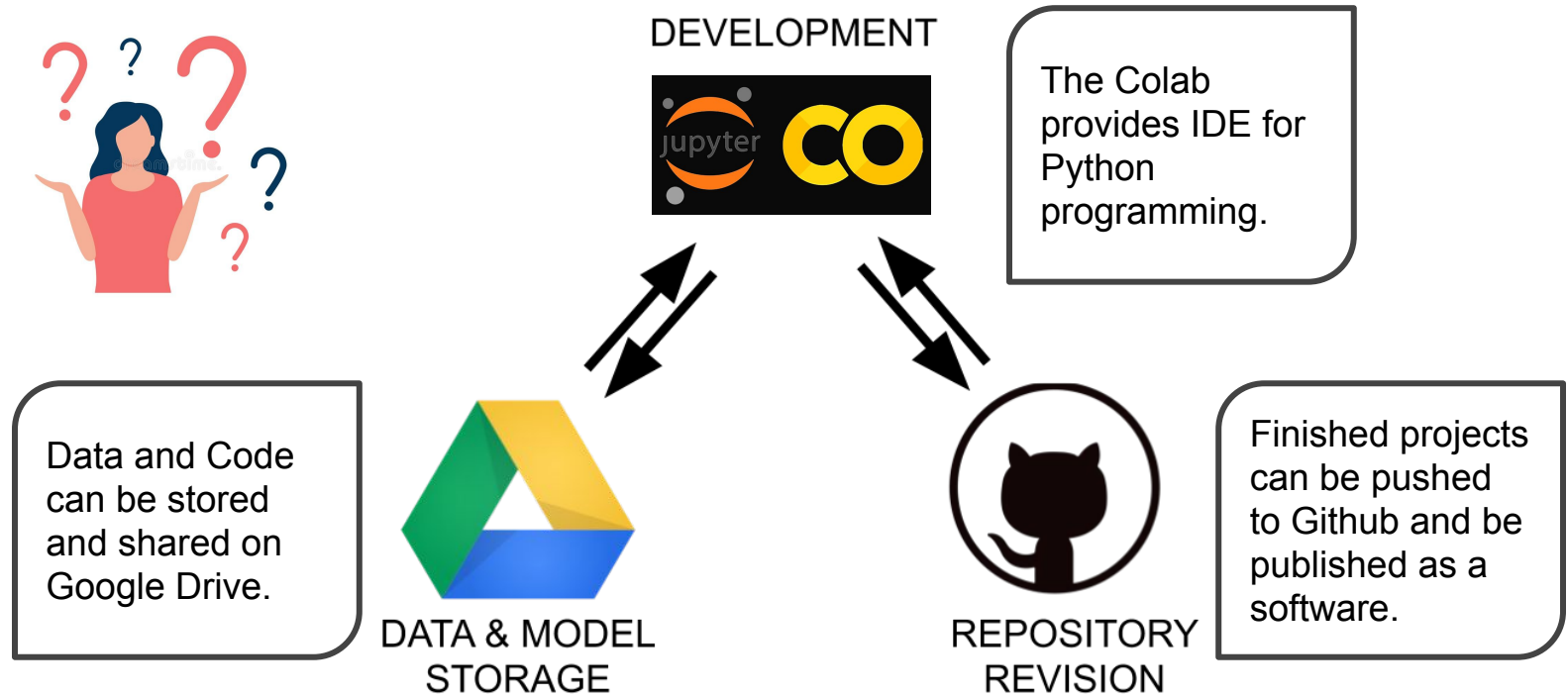


PUBLICATION

BOOK PUBLICATION IS ALSO
AVAILABLE | INSTRUCTORS
CAN LEAD STUDENTS TO
WRITE BOOK CHAPTERS



PUBLICATION



DEVELOPMENT AND DATABASE MANAGEMENT



Career Trajectory



ANY QUESTIONS?

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